

### ABSTRACT

5        Sprayable fiber reinforced hydraulically setting mortars exhibit strain hardening behavior, and comprise hydraulically setting cement, less than 4 weight percent matrix interactive fibers, a non-Newtonian additive, a superplasticizer, optionally a viscosity control agent, aggregate, and further additives. The ductile composites can be prepared by spraying in thicknesses higher than conventional sprayable mortars.